

Reference	Name in ThermoBar	Temperature- dependent?	Pressure- dependent?	H <sub>2</sub> O- Dependent?	
Clinopyroxene-Liquid Barometry. Function “calculate_cpx_liq_press”					
Putirka (1996)	P_Put1996_eqP1	Yes		No	
	P_Put1996_eqP2	Yes		No	
Putirka (2003)	P_Put2003	Yes		No	
Putirka (2008)	P_Put2008_eq30	Yes		Yes	
	P_Put2008_eq31	Yes		Yes	
	P_Put2008_eq32c	Yes		Yes	
Masotta et al. (2013) <i>recalibration of Putirka eqs. for alkali systems</i>	P_Mas2013_eqPalk1	Yes		No	
	P_Mas2013_eqPalk2	Yes		No	
	P_Mas2013_eqalk32c	Yes		Yes	
Masotta et al. (2013)	P_Mas2013_Palk2012	No		Yes	
Neave & Putirka (2017)	P_Neave2017	Yes		No	
Clinopyroxene-Liquid Thermometry. Function “calculate_cpx_liq_temp”					
Putirka (1996)	T_Put1996_eqT1		No	No	
	T_Put1996_eqT2		Yes	No	
Putirka (1999)	T_Put1999		Yes	No	
Putirka (2003)	T_Put2003		Yes	No	
Putirka (2008)	T_Put2008_eq33		Yes	Yes	
Masotta et al. (2013) <i>Recalibration of Putirka eqs. for alkali systems</i>	T_Mas2013_eqTalk1		No	No	
	T_Mas2013_eqTalk2		Yes	No	
	T_Mas2013_eqalk33		Yes	Yes	
Masotta et al. (2013)	T_Mas2013_Talk2012		No	Yes	
Brugman & Till (2019)	T_Brug2019		No	No	
Clinopyroxene-only Barometry. Function “calculate_cpx_only_press”					
Putirka (2008)	P_Put2008_eq32a		Yes		No
	P_Put2008_eq32b	Yes	Yes		
Clinopyroxene-only Thermometry. Function “calculate_cpx_only_temp”					
Putirka (2008)	T_Put2008_eq32d		Yes	No	
	T_Put2008_eq32d_subsol		Yes	No	
Orthopyroxene-Liquid Barometry. Function “calculate_opx_liq_press”					
Putirka (2008)	P_Put2008_eq29a	Yes		Yes	
	P_Put2008_eq29b	Yes		Yes	
Putirka Supplement New “Global” calibrations	P_Put_Global_Opx	No		No	
	P_Put_Felsic_Opx	No		No	
Orthopyroxene-Liquid Thermometry. Function “calculate_opx_liq_temp”					
Putirka (2008)	T_Put2008_eq28a		Yes	Yes	
	T_Put2008_eq28b_opx_sat		Yes	Yes	
Orthopyroxene-only Barometry. Function “calculate_opx_only_press”					
Putirka (2008)	P_Put2008_eq29c	Yes		No	
Orthopyroxene-Clinopyroxene Barometry. Function “calculate_cpx_opx_press”					
Putirka (2008)	P_Put2008_eq38	No		No	
	P_Put2008_eq39	Yes		No	
Orthopyroxene-Clinopyroxene Thermometry. Function “calculate_cpx_opx_press”					
Putirka (2008)	T_Put2008_eq36		Yes	No	
	T_Put2008_eq37		Yes	No	
Brey and Kohler (1990)	T_Brey1990		Yes	No	
Wood and Banno (1973)	T_Wood1973		No	No	
Wells (1977)	T_Wells1977		No	No	
Other Functions					
<b>calculate_cpx_liq_press_temp(), calculate_cpx_only_press_temp(), calculate_cpx_opx_press_temp()</b> Iteratively solves P and T for cpx-liq pairs/cpx-only/cpx-opx using an equation for P and an equation for T <b>calculate_cpx_liq_press_temp_matching(), calculate_cpx_opx_press_temp_matching():</b> Calculates P and T for all possible cpx-liquid/cpx-opx pairs (with user-selected options for equilibrium criteria)					

